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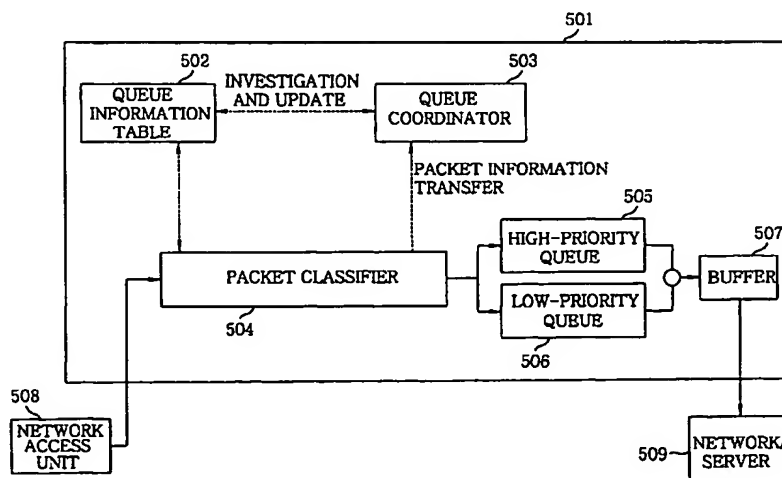
(43) International Publication Date
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number
WO 2004/047383 A1

- (51) International Patent Classification⁷: **H04L 12/56** (74) Agent: JANG, Seong-Ku; 17th Fl., KEC Building, 275-7, Yangjae-dong, Seocho-ku, Seoul 137-130 (KR).
- (21) International Application Number: PCT/KR2003/000628 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 28 March 2003 (28.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10-2002-0071890
19 November 2002 (19.11.2002) KR
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- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: METHOD AND APPARATUS FOR PROTECTING LEGITIMATE TRAFFIC FROM DOS AND DDOS ATTACKS



(57) **Abstract:** An apparatus for protecting legitimate traffic from DoS and DDoS attacks has a high-priority (505) and a low-priority (506) queue. Besides, a queue information table (402) has STT (Source-based Traffic Trunk) service queue information of a specific packet. A queue coordinator (502) updates the queue information table (502) based on a load of a provided STT and a load of the high-priority queue (505). A packet classifier (504) receives a packet from the network access unit (508), investigates an STT service queue of the packet from the queue information table (502), selectively transfers the packet to the high-priority (505) or the low-priority (506) queue and provides information on the packet to the queue coordinator (503). A buffer (507) buffers outputs of the high-priority (505) and the low-priority (506) queue and provides outputs to the network (509) to be protected.

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